

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

10

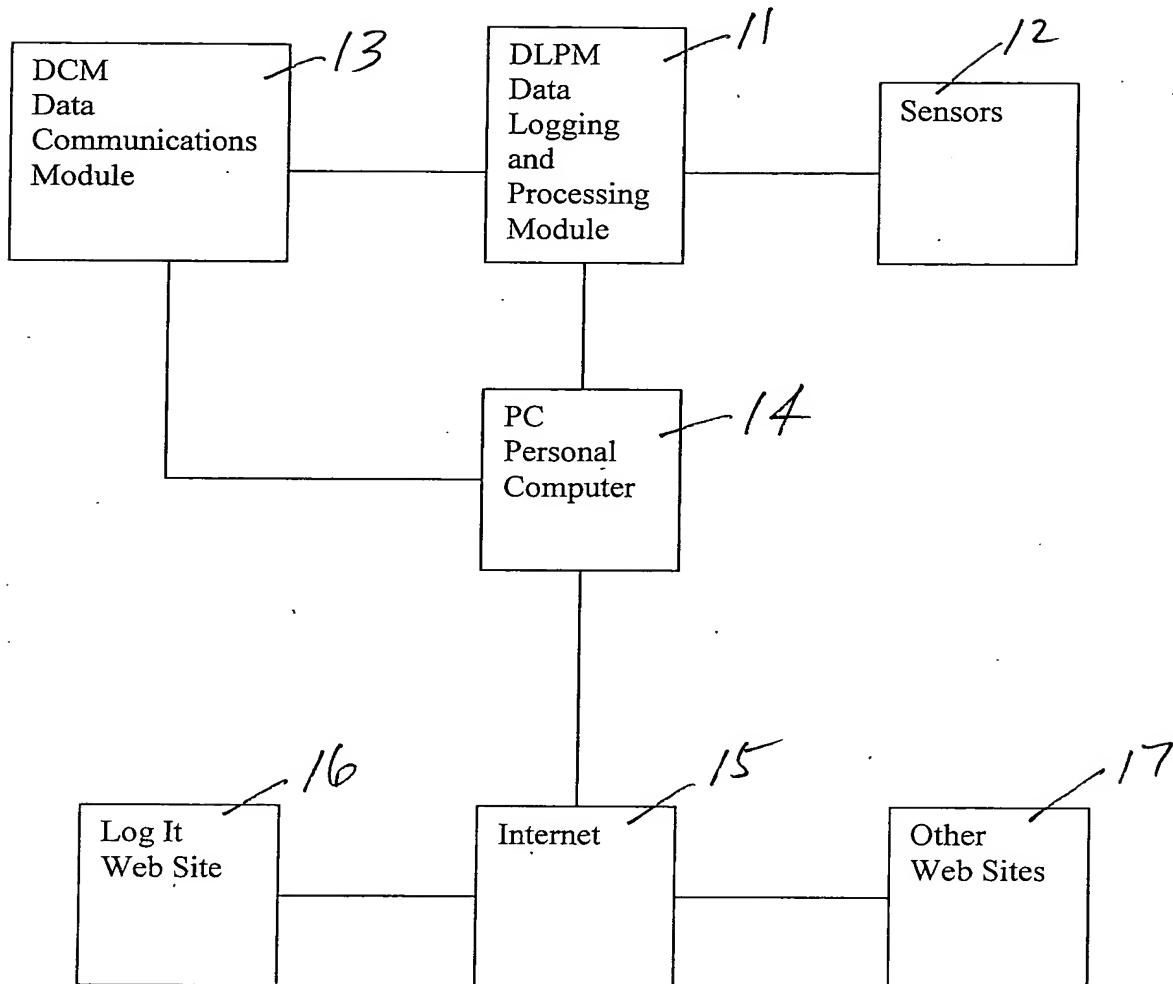


Fig. 1

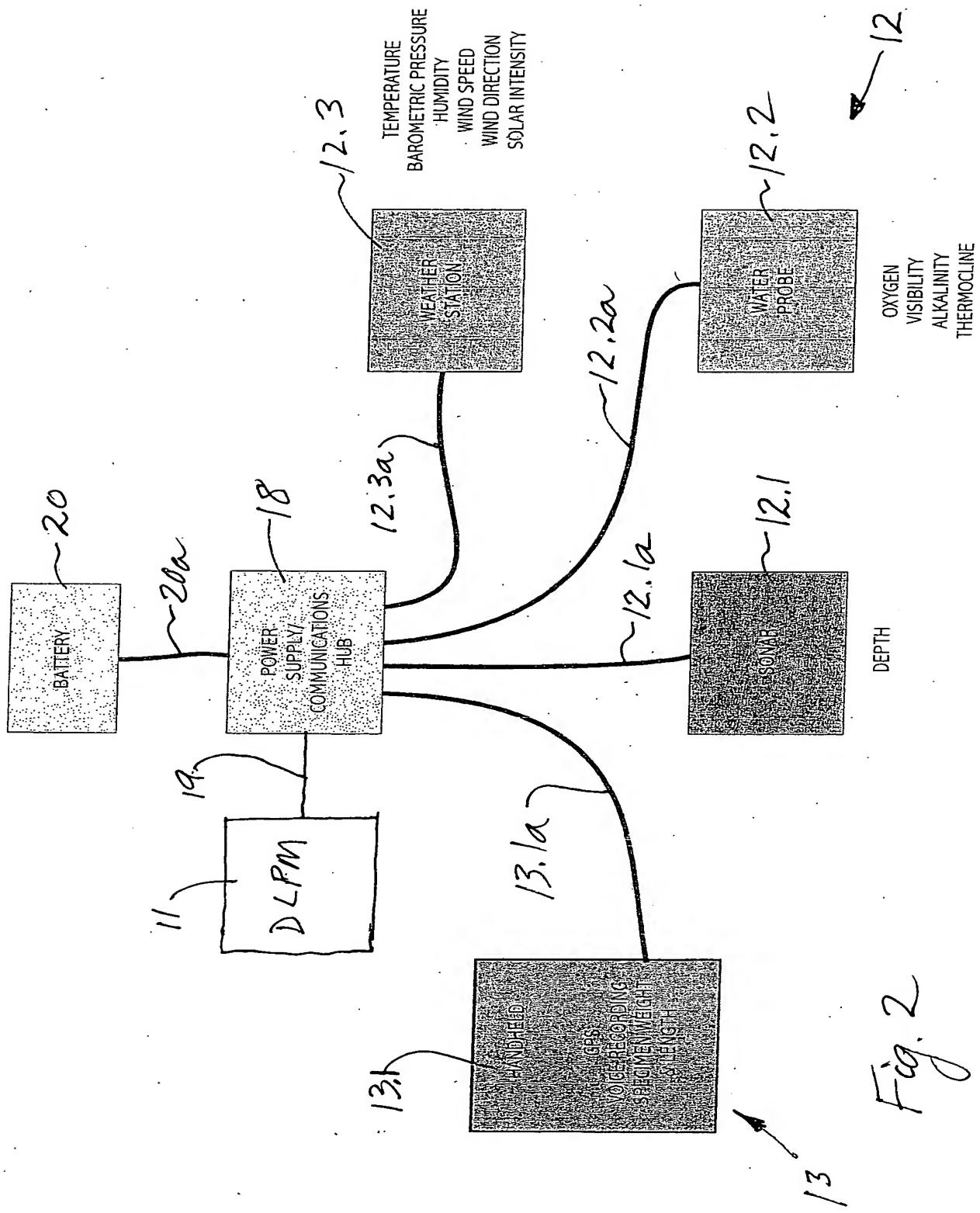
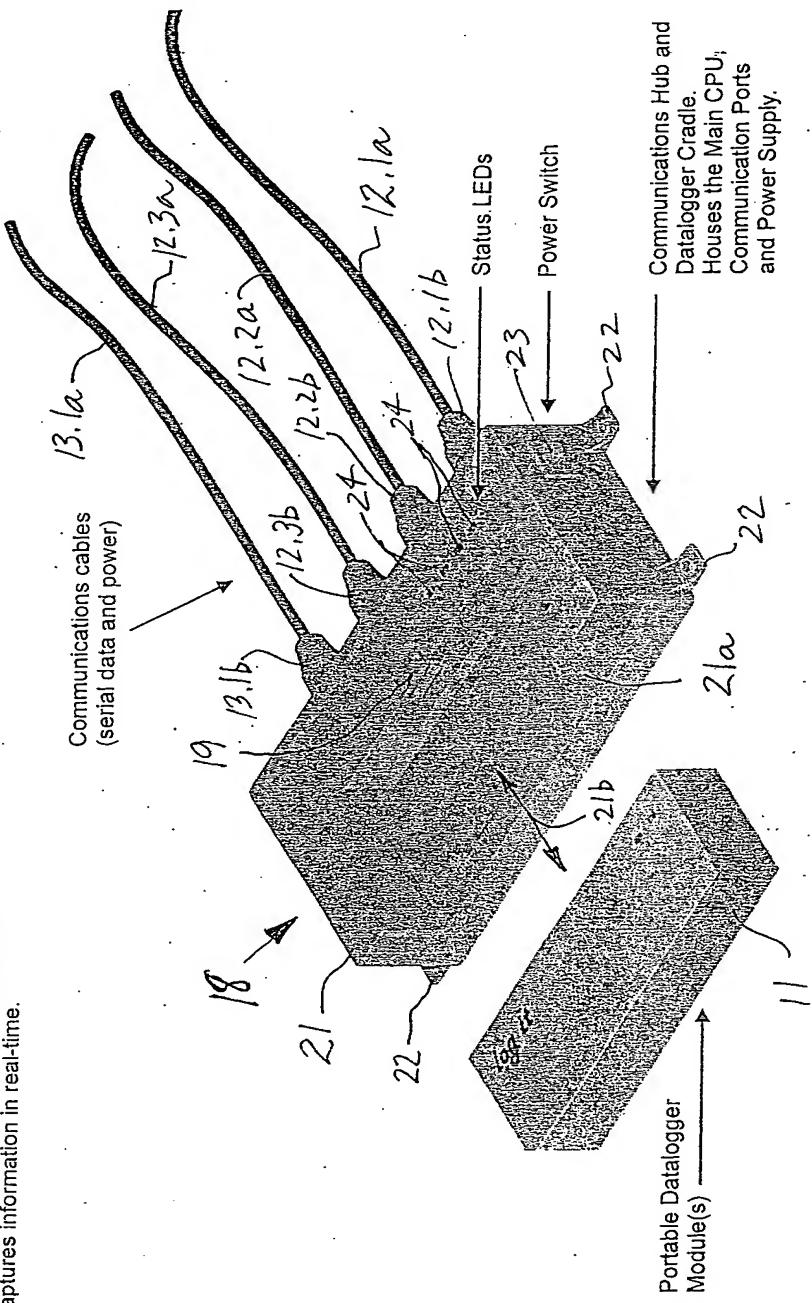


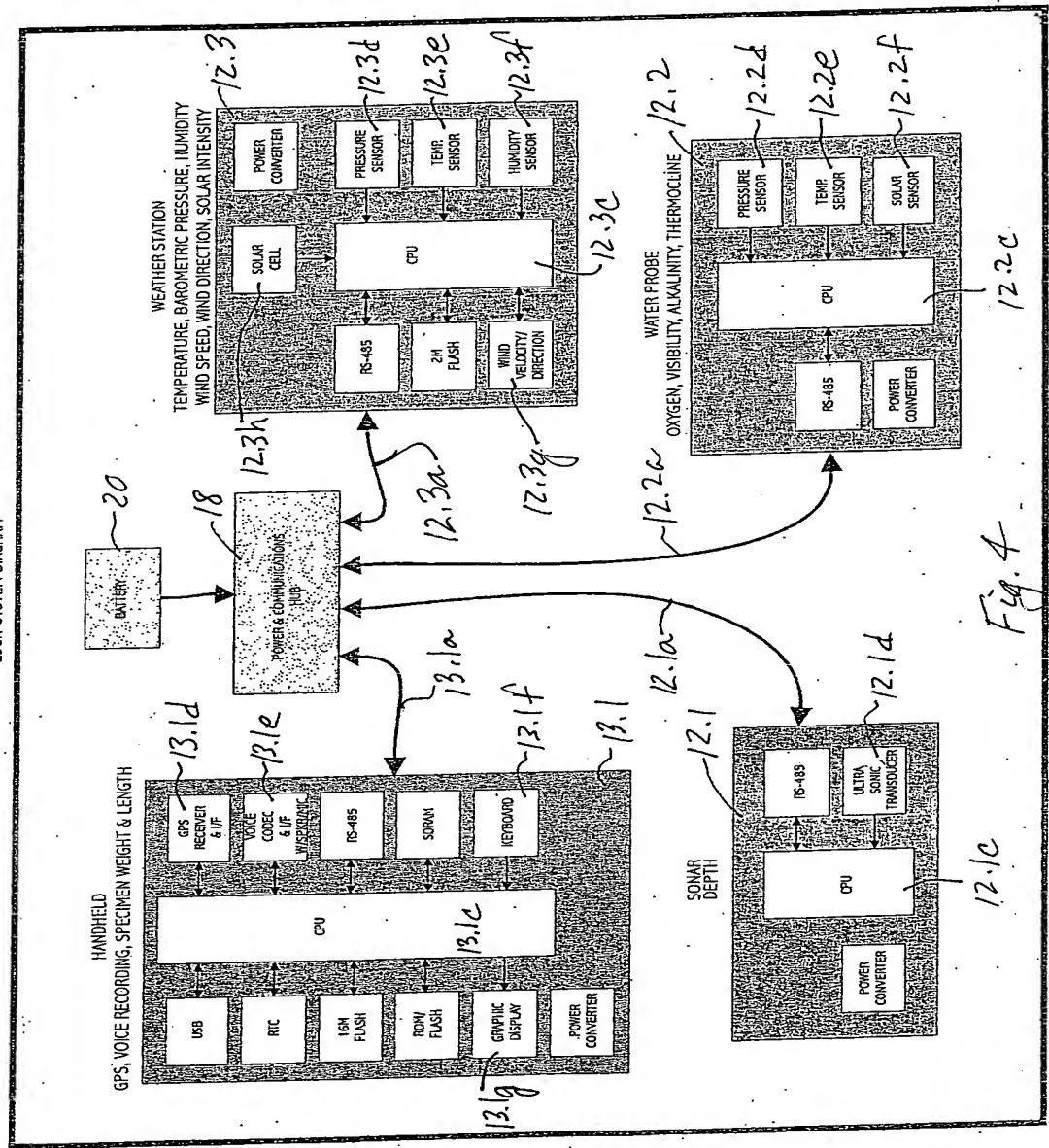
Fig. 2

Data Logger and Hub

On board microcomputer and datalogger that captures information in real-time.



LOGIT SYSTEM DIAGRAM



UPLOADING TRIP DATA INTO PC

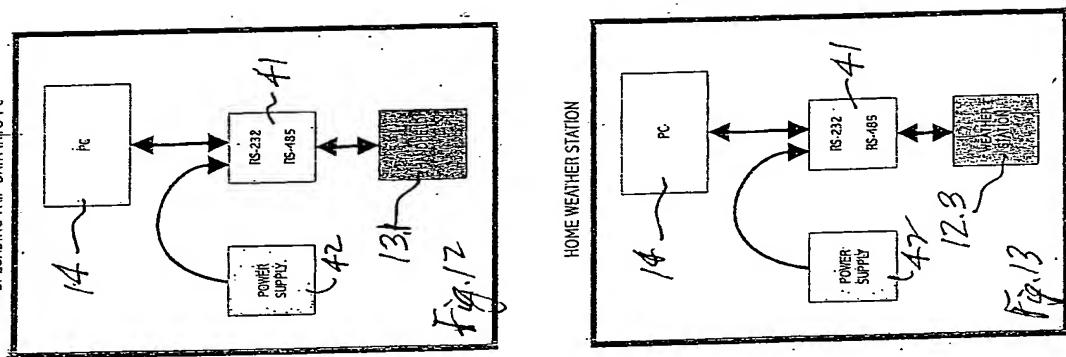


Fig. 4

Handheld Data-Entry Panel

Rugged Construction with LCD display for
recording data in realtime.

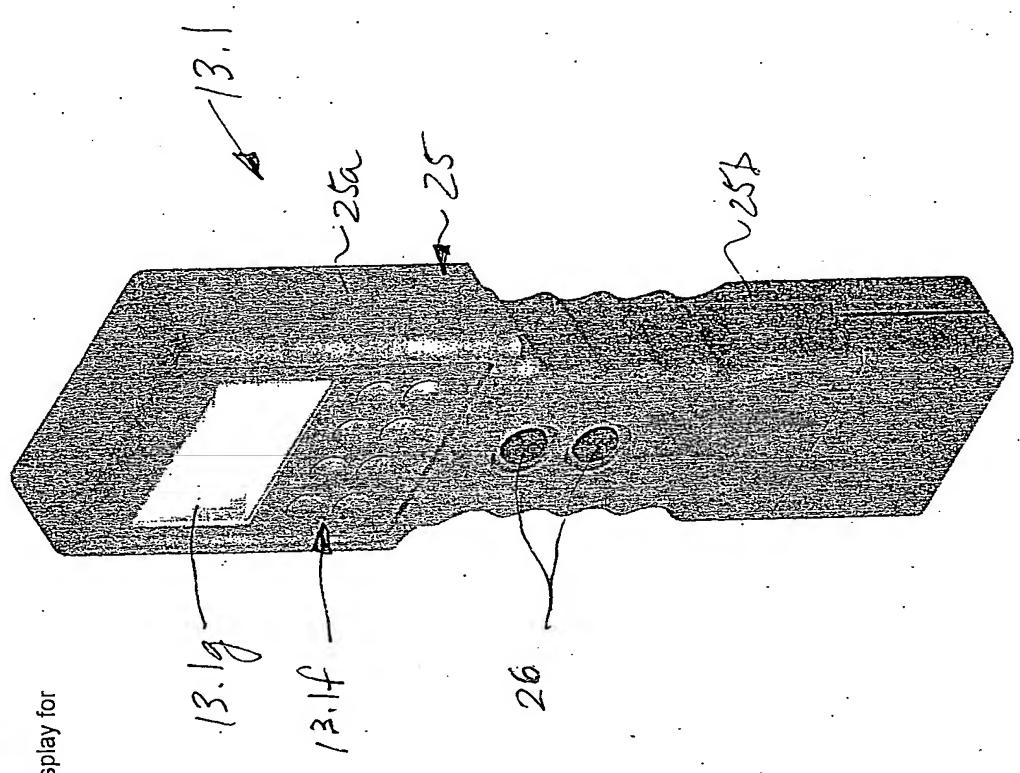


Fig. 5

Log it

Aquatic PC with Log It Software

The Aquatic PC is a high end data entry panel. Our Log It software provides a user friendly graphical user interface with touch screen capability. Several mounting options and a durable carrying case are available.

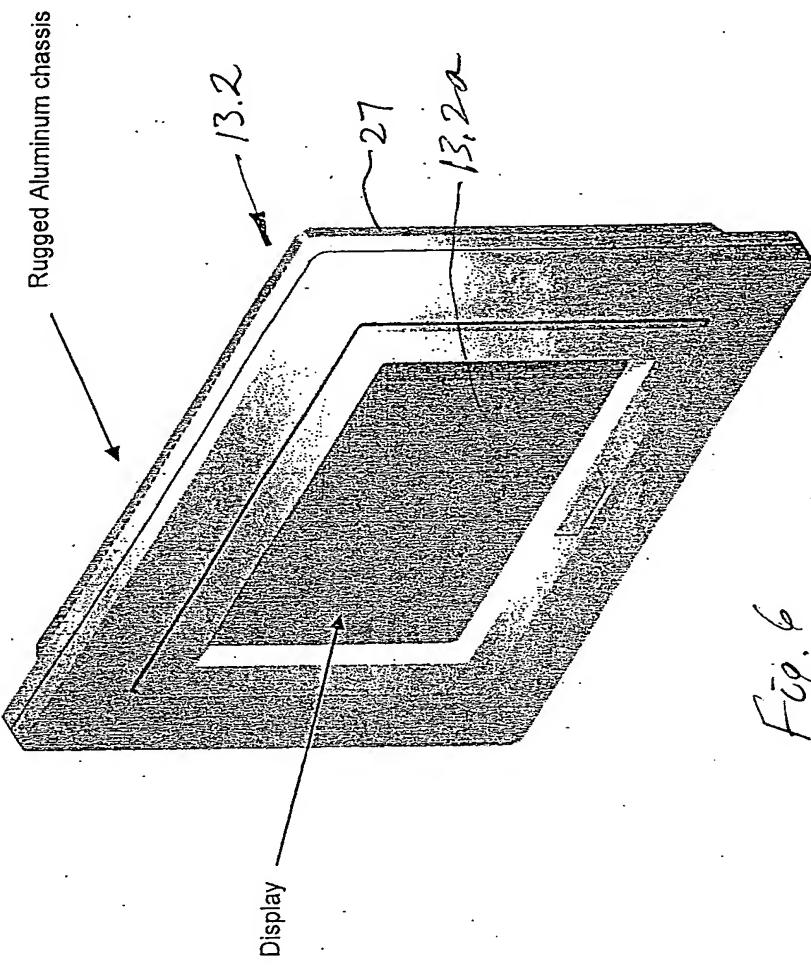


Fig. 6

Log it

Wireless Data Recorder

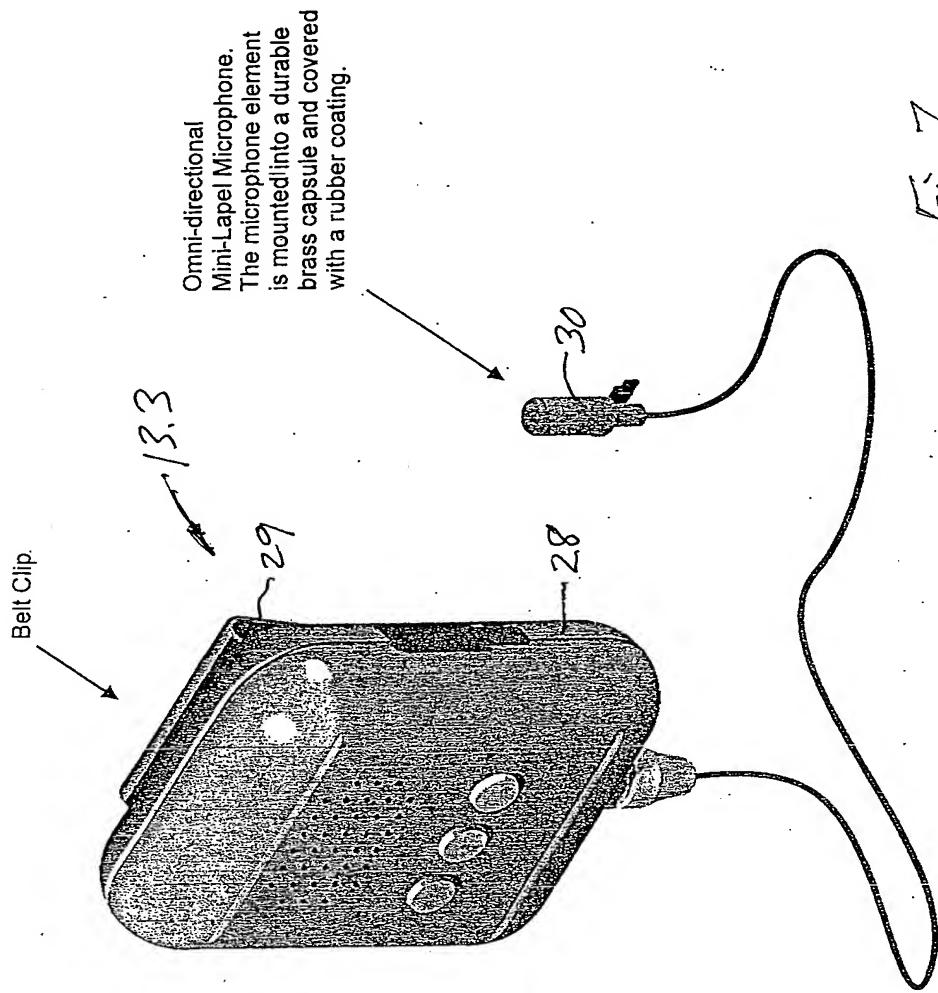


Fig. 7

Log it

Autocline Water Profiler

The Autocline is a precision instrument used to measure critical water variables. The probe automatically reports its information and depth to the datalogger. The autocline measures the following:

- Temperature
- Depth
- Dissolved Oxygen
- Visibility & Clarity
- Alkalinity

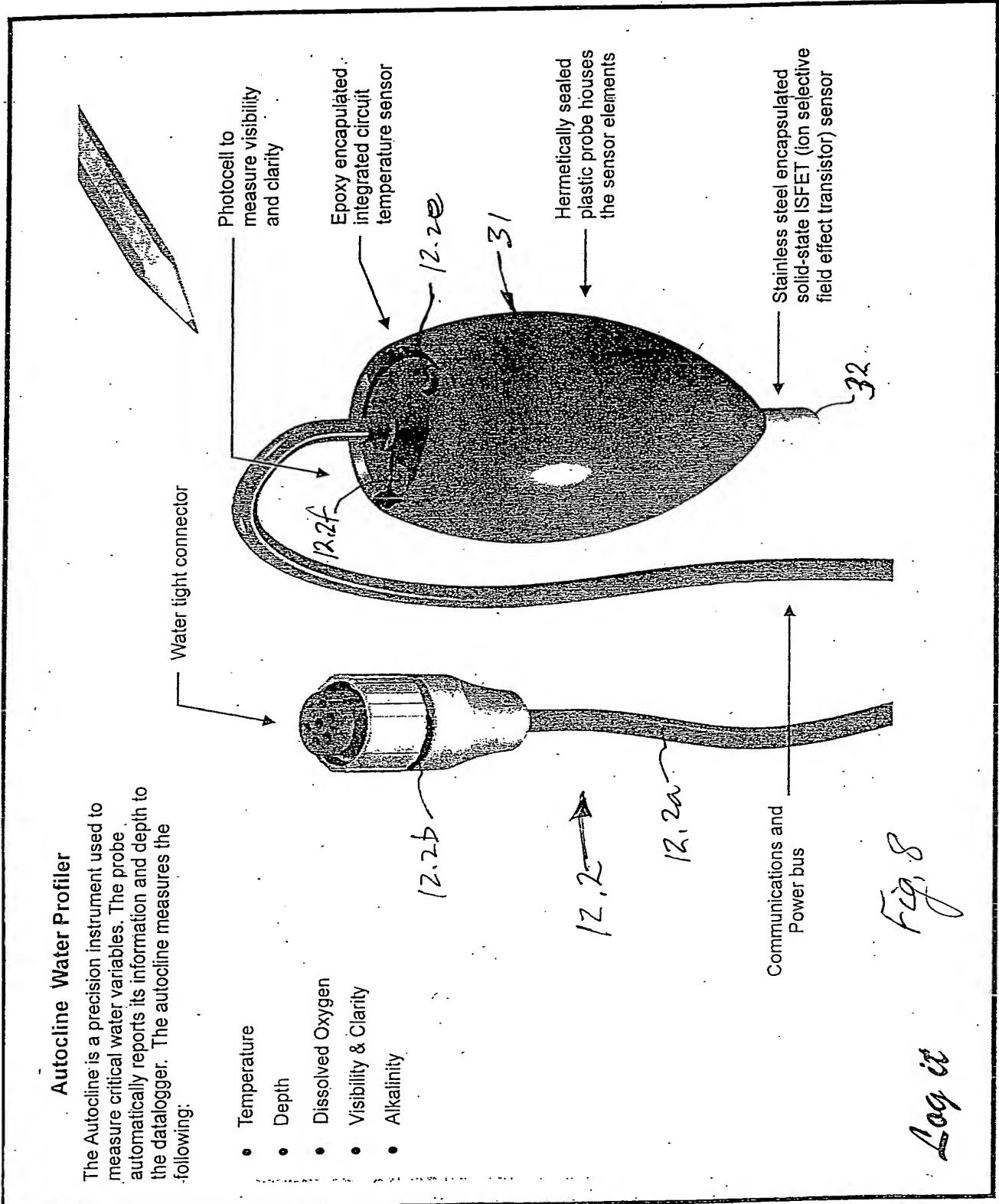


Fig. 8

Log it

The monitor will directly measure the following environmental variables:

Specifications

Solar Intensity (Radiometer) Measuring Principle: Photocell
Luminous Flux Range: 0-75Klux.
Radiant Flux Range: 0-1000 W/m²
Bandwidth: 200-1500 nm
Resolution:
Repeatability:
Accuracy:

Temperature Measuring Principle: Thermistor
Range: 10°F to 120°F (-12°C to 48°C)
Resolution: 0.1°F (0.1°C)
Repeatability:
Accuracy:

Atmospheric Pressure (Barometer) Measuring Principle: MAP Sensor
Range: 60 - 110 hPa (mb)
Resolution: 0.1 hPa (mb)
Repeatability:
Accuracy:

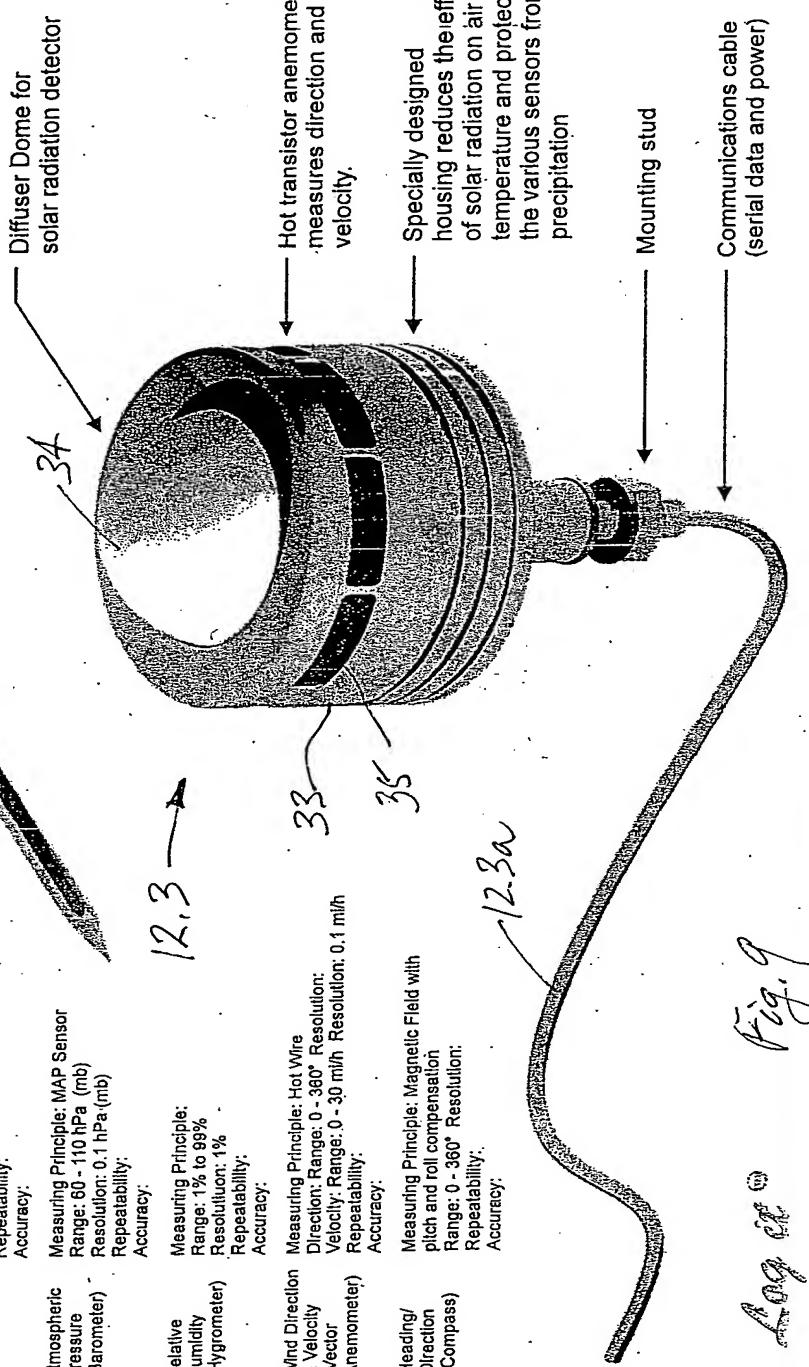
Relative Humidity (Hygrometer) Measuring Principle:
Range: 1% to 99%
Resolution: 1%
Repeatability:
Accuracy:

Wind Direction & Velocity (Vector Anemometer) Measuring Principle: Hot Wire
Direction: Range: 0 - 360° Resolution: 0.1 m/h
Velocity: Range: 0 - 30 m/h Resolution: 0.1 m/h
Repeatability:
Accuracy:

Heading/ Direction (Compass) Measuring Principle: Magnetic Field with
pitch and roll compensation
Range: 0 - 360° Resolution:
Repeatability:
Accuracy:

Marine Weather Monitor

The weather monitor is a microcontroller based mobile weather station designed to be mounted on a recreational marine vehicle. The monitor measures only 4-1/2 inches in diameter by 6 inches tall. It is completely solid-state which means there are no moving parts to wear out or break.



Measuring Station and Specimen Sampler

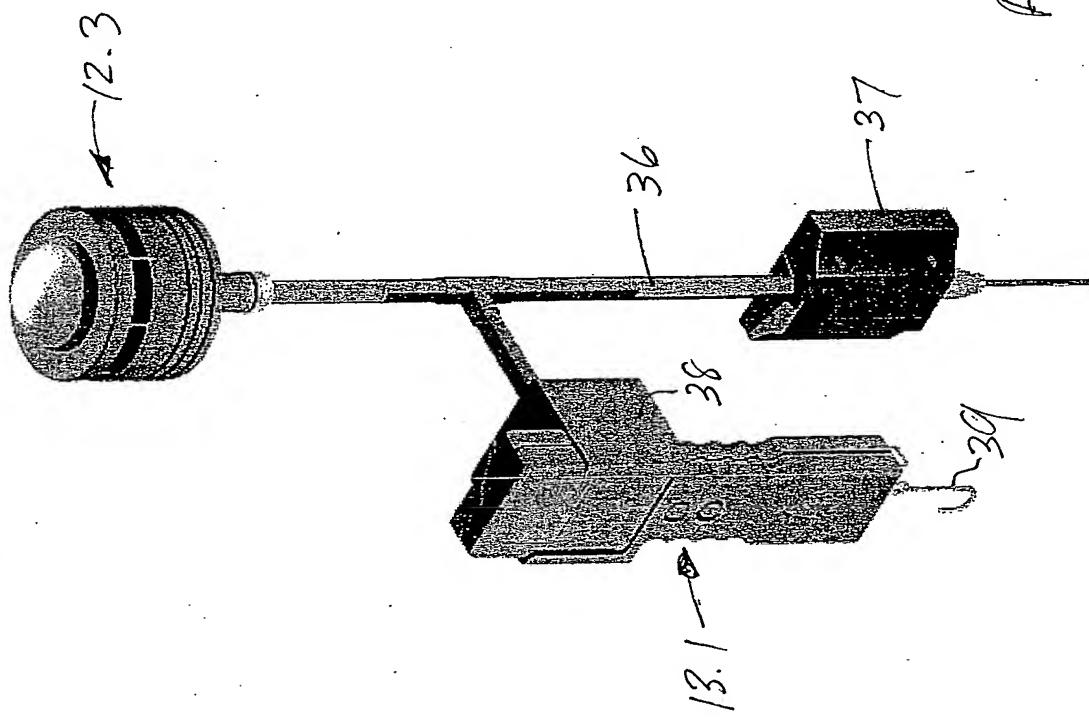


Fig. 10

Log et

Home Base
Datalogger and Hub

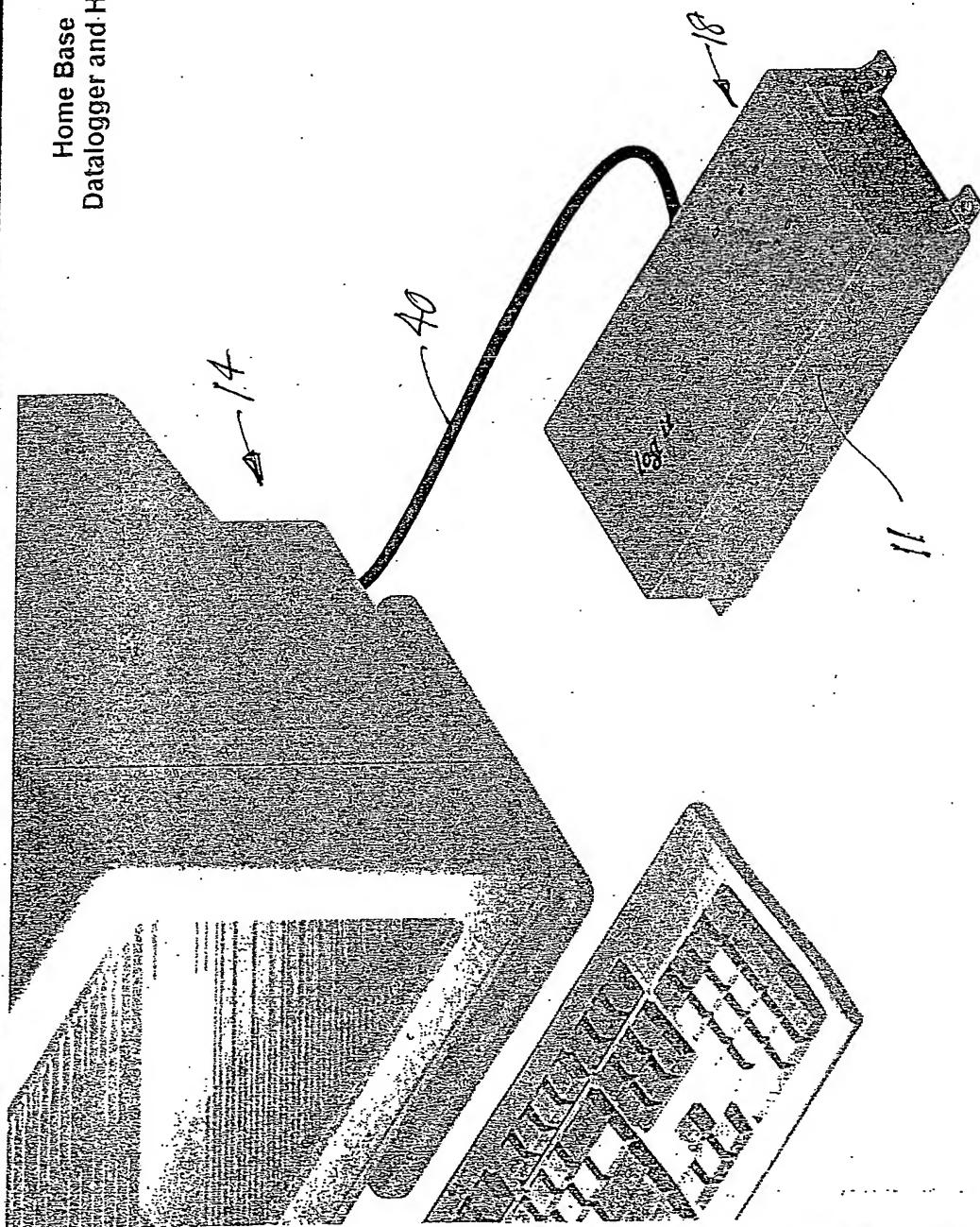


Fig. 11

Log it